



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

DEPARTMENT OF TRANSPORTATION

JOHN R. NJORD, P.E.  
Executive Director

CARLOS M. BRACERAS, P.E.  
Deputy Director

July 13, 2006

TO ALL BIDDERS CONCERNED:

SUBJECT: Project No: NH-0091(26)17 & SP-0239(3)0  
Description: SR-91 From SR-23 to SR-101 & SR-236 From SR-91 to SR-237  
Addendum No. 2

To Whom It May Concern:

We are submitting the following changes to the subject project.

1. The bid opening has been revised. The Bid Opening date has been changed from July 18, 2006 to July 27, 2006

EBS requires you to change the "Bid Date" on your "Project Item Bid Detail" window. If you do not change the date, your bid will not be downloaded for "Bid Opening".

2. The "Table of Contents" has been revised. Special Provision 01892M "Reconstruct Catch Basin, Cleanout, Meter, Valve, Manhole, and Monument Boxes" has been added.
3. The "Bidding Schedule" has been revised.

Bidders Schedule **must download** the revised Bidder's Schedule "Bid Item Version 3" from the UDOT website at <http://www.udot.utah.gov/index.php?m=c&tid=317>

Item No.18 018920020 "Reconstruct Cleanout Box" has been added.  
Item No.19 018920040 "Reconstruct Valve Box" has been added.  
Item No.20 018920050 "Reconstruct Manhole" has been added.

4. The "Measurement and Payment" has been revised.

Item No. 18 018920020 "Reconstruct Cleanout Box" has been added.  
Item No. 19 018920040 "Reconstruct Valve Box" has been added.  
Item No. 20 018920050 "Reconstruct Manhole" has been added.

5. PDBS Project Summary Report has been revised.

Page 1 Item No. 018920020 "Reconstruct Cleanout Box" has been added.

Region One Headquarters • 166 West Southwell Street • Ogden, UT 84404  
telephone (801) 620-1600 • facsimile (801) 620-1665 • [www.udot.utah.gov](http://www.udot.utah.gov)

Page 1 Item No. 018920040 "Reconstruct Valve Box" has been added.  
Page 1 Item No. 018920050 "Reconstruct Manhole" has been added.

6. PDBS Project Detail Report has been revised.

Page 1 Item No. 018920020 "Reconstruct Cleanout Box" has been added.  
Page 1 Item No. 018920040 "Reconstruct Valve Box" has been added.  
Page 1 Item No. 018920050 "Reconstruct Manhole" has been added.

Page No. 4 SR-39 State Reference number has been changed to SR-239.  
Page No. 6 SR-39 State Reference number has been changed to SR-239.  
Page No. 8 SR-39 State Reference number has been changed to SR-239.  
Page No. 10 SR-39 State Reference number has been changed to SR-239.

7. Special Provision 01892M "Reconstruct Catch Basin, Cleanout, Meter, Valve, Manhole, and Monument Boxes" has been added.

Please consider these revisions before submitting your bid.

\*\*\*DUE TO THE SIZE ONLY THE COVER LETTER WILL BE FAXED.


\*\*\*ADDENDUM IS AVAILABLE AND MAY BE DOWNLOADED FROM THE UDOT WEBSITE AT <http://www.udot.utah.gov/index.php?m=c&tid=317>

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED WHEN YOU SUBMIT YOUR BID. YOUR BID WILL BE DECLARED NON-RESPONSE IF YOU DO NOT ACKNOWLEDGE THIS ADDENDUM.**

Sincerely,

  
UDOT Project Manager

Sincerely,

  
Pete Negus  
Deputy Construction Engineer

Attach.

**2005 - U.S. Standard Units (Inch-Pound Units) May 2, 2006**

**Table of Contents**

**NH-0091(26)17**

**with stacked Project SP-0239(3)0**

- I. Statement of 2005 Standard Specifications for Road and Bridge Construction applicability
- II. List of Revised Standard Drawings
- III. Materials Minimum Sampling and Testing
- IV. Notice to Contractors
- V. Bidding Schedule
- VI. Measurement and Payment
- VII. PDBS Project Summary Report and Detailed Stationing Summaries Report
- VIII. Location Map
- IX. Typical Sections or Detail Sheets
- X. Standard Drawing Index
- XI. Use of Minority or Women Owned Banks
- XII. Bid Conditions Disadvantaged Business Enterprise
- XIII. Attention Contractors
- XIV. Specific Equal Employment Opportunity Responsibilities
- XV. Required Contract Provisions, Federal-Aid Construction Contracts (PR-1273)
- XVI. Wage Rates Applicable/Wage Rates Non-Applicable

Federal Projects With 8 ½ x 11 Plan Sheets

XVII. Special Provisions and Supplemental Specifications (May 2, 2006)

1. 00555M Prosecution and Progress
2. 00555M Prosecution and Progress – Supplemental
3. 00725M Scope of Work
4. 00725M Scope of Work - Supplemental
5. 00820M Legal Relations and Responsibility to the Public - Supplemental
6. 01280M Measurement – Supplemental
7. 01282M Payment – Supplemental
8. 01284 Prompt Payment – Supplemental
9. 01315M Public Information Services
10. 01453S Pavement Smoothness Improvement and Profiler
11. 01892M Reconstruct Catch Basin, Cleanout, Meter, Valve, Manhole, and monument boxes
12. 02721S Untreated Base Course
13. 02741S Hot Mix Asphalt
14. 02742S Project Specific Surfacing Requirements
15. 02745 Asphalt Material – Supplemental
16. 02748M Prime Coat/Tack Coat
17. 02771M Curbs, Gutters, Driveways, Pedestrian Access Ramps, And Plowable End Sections
18. 02786M Open Graded Surface Course (OGSC)
19. 02842M Delineators – Supplemental
20. 02969S Optional Use of Reclaimed Asphalt Pavement

# Utah Department of Transportation Bidder's Schedule

**Bid Opening Date:** 7/27/2006

**Project Number:** NH-0091(26)17

**Project Name:** SR-91 From SR-23 to SR-101

**Concept:** Asphalt - Open Graded Surface Course

**Funding:** FEDERAL

**Region:** REGION 1

**County:** CACHE

**Bid Items Version#:** 3

**DBE Goal:** 4.00%

#	Item	Description	Quantity	Unit
<b>10 - ROADWAY</b>				
Description: NH-0091(26)17				
1	012850010	Mobilization	1	lump sum
2	01315001*	Public Information Services	1	lump sum
3	015540005	Traffic Control	1	lump sum
4	02721005*	Untreated Base Course 3/4 inch or 1 inch Max	209	ton
5	02741005*	HMA - 1/2 inch	2500	ton
6	027680005	4 inch Pavement Marking Tape - White	27500	foot
7	027680010	8 inch Pavement Marking Tape - White	4300	foot
8	027680015	4 inch Pavement Marking Tape - Yellow	27000	foot
9	027680105	Pavement Message (Preformed Thermoplastic)	125	each
10	02771005*	Pedestrian Access Ramp Reconstruct	4	each
11	02786001*	Open Graded Surface Course	7100	ton
12	02786002*	Asphalt Cement PG 64-34	425	ton
13	028420010	Delineator Type I	10	each
14	029610030	Rotomilling - 2 Inch	22059	square yard

## 10 - ROADWAY

Description: SP-0239(3)0

15	012850010	Mobilization	1	lump sum
16	01315001*	Public Information Services	1	lump sum
17	015540005	Traffic Control	1	lump sum
18	018920020	Reconstruct Cleanout Box	6	each
19	018920040	Reconstruct Valve Box	38	each
20	018920050	Reconstruct Manhole	26	each
21	027680005	4 inch Pavement Marking Tape - White	2850	foot
22	027680010	8 inch Pavement Marking Tape - White	1500	foot
23	027680015	4 inch Pavement Marking Tape - Yellow	20100	foot
24	027680105	Pavement Message (Preformed Thermoplastic)	344	each
25	02771005*	Pedestrian Access Ramp	40	each
26	02786001*	Open Graded Surface Course	3000	ton
27	02786002*	Asphalt Cement PG 64-34	180	ton

## 110 - CONTINGENCY

Description: NH-0091(26)17

28	00000277*	UDOT Contingency Fund	1	lump sum
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## 110 - CONTINGENCY

Description: SP-0239(3)0

29	00000277*	UDOT Contingency Fund	1	lump sum
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\*Note: Item numbers ending with "\*" or "P" identify a change to the Standard Specification, Supplemental Specifications or Measurement and payment. Read all related documents carefully.

## Measurement and Payment

NH-0091(26)17

1	012850010	Mobilization	Lump sum
	Payment	Amount Paid	When Paid
	First	The lesser of 25% of Mobilization or 2.5% of contract	With first estimate
	Second	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 5% of contract
	Third	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 10% of contract
	Fourth	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 20% of contract
	Final	Amount bid in excess of 10% of contract price.	Project Acceptance-Final

2	01315001*	Public Information Services	Lump Sum
	Payment	Amount Paid	When Paid
	First	25% of bid item amount	With first estimate
	Second	Remaining portion of bid item paid as a percentage of the contract completed	With each estimate

3	015540005	Traffic Control	Lump Sum
	Payment	Amount Paid	When Paid
	First	25% of the bid item amount	With first estimate
	Second	Remaining portion of bid item paid as a percentage of the contract completed	With each estimate

4	02721005*	Untreated Base Course 3/4 inch or 1 inch Max	Ton
In place			

5	02741005*	HMA – 1/2 inch	Ton
Includes aggregates, asphalt binder, hydrated lime, take coat, and other additives, etc.			

6	027680005	4 inch Pavement Marking Tape – White	Feet
A. Do not measure the gap in the broken line. B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			

<b>7</b>	<b>027680010</b>	<b>8 inch Pavement Marking Tape – White</b>	<b>Feet</b>
A. Do not measure the gap in the broken line. B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			
<b>8</b>	<b>027680015</b>	<b>4 inch Pavement Marking Tape - Yellow</b>	<b>Feet</b>
A. Do not measure the gap in the broken line. B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			
<b>9</b>	<b>027680105</b>	<b>Pavement Message (Preformed Thermoplastic)</b>	<b>Each</b>
<b>Measurement - Painted Pavement Messages:</b> A. Letter = one message. B. Arrow = one message. C. Multi-headed arrow = one message per arrow. D. School crossbars = one message per 24 inch x 10 ft bar. E. Crosswalk = two message per lane and two messages per shoulder. F. Stop Bar = one message per lane and one message per shoulder. G. Railroad crossing markings = seven messages per lane. 1. 'R' = one message each (two required). 2. 'X' = two messages. 3. Transverse Bar = one message each (two required). 4. Stop Bar = one message. H. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			
<b>10</b>	<b>02771005*</b>	<b>Pedestrian Access Ramp Reconstruct</b>	<b>Each</b>
In place. Includes removal and replacement of curb and gutter, sidewalk, flatwork, wedge milling, detectable warning surface, and all other items necessary to provide a compliant pedestrian access ramp.			
<b>11</b>	<b>02786001*</b>	<b>Open Graded Surface Course</b>	<b>Ton</b>
<b>Measurement:</b> Include aggregates and all additives including tack coat and hydrated lime. Asphalt Binder measured and paid for separately.			
<b>12</b>	<b>02786002*</b>	<b>Asphalt Cement PG 64-34</b>	<b>Ton</b>
<b>13</b>	<b>028420010</b>	<b>Delineator Type I</b>	<b>Each</b>
In place			
<b>14</b>	<b>029610030</b>	<b>Rotomilling - 2 inch</b>	<b>Square Yard</b>

Stacked Project SP-0239(3)0

<b>15</b>	<b>012850010</b>	<b>Mobilization</b>	<b>Lump sum</b>
	<b>Payment</b>	<b>Amount Paid</b>	<b>When Paid</b>
	First	The lesser of 25% of Mobilization or 2.5% of contract	With first estimate
	Second	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 5% of contract
	Third	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 10% of contract
	Fourth	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 20% of contract
	Final	Amount bid in excess of 10% of contract price.	Project Acceptance-Final

<b>16</b>	<b>01315001*</b>	<b>Public Information Services</b>	<b>Lump Sum</b>
	<b>Payment</b>	<b>Amount Paid</b>	<b>When Paid</b>
	First	25% of bid item amount	With first estimate
	Second	Remaining portion of bid item paid as a percentage of the contract completed	With each estimate

<b>17</b>	<b>015540005</b>	<b>Traffic Control</b>	<b>Lump Sum</b>
	<b>Payment</b>	<b>Amount Paid</b>	<b>When Paid</b>
	First	25% of the bid item amount	With first estimate
	Second	Remaining portion of bid item paid as a percentage of the contract completed	With each estimate

<b>18</b>	<b>018920020</b>	<b>Reconstruct Cleanout Box</b>	<b>Each</b>
In place			

<b>19</b>	<b>018920040</b>	<b>Reconstruct Valve Box</b>	<b>Each</b>
In place			

<b>20</b>	<b>018920050</b>	<b>Reconstruct Manhole</b>	<b>Each</b>
In place			

<b>21</b>	<b>027680005</b>	<b>4 inch Pavement Marking Tape – White</b>	<b>Feet</b>
<p>A. Do not measure the gap in the broken line.</p> <p>B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.</p>			



<b>22</b>	<b>027680010</b>	<b>8 inch Pavement Marking Tape – White</b>	<b>Feet</b>
A. Do not measure the gap in the broken line. B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			

<b>23</b>	<b>027680015</b>	<b>4 inch Pavement Marking Tape - Yellow</b>	<b>Feet</b>
A. Do not measure the gap in the broken line. B. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			

<b>24</b>	<b>027680105</b>	<b>Pavement Message (Preformed Thermoplastic)</b>	<b>Each</b>
<b>Measurement - Painted Pavement Messages:</b> A. Letter = one message. B. Arrow = one message. C. Multi-headed arrow = one message per arrow. D. School crossbars = one message per 24 inch x 10 ft bar. E. Crosswalk = two message per lane and two messages per shoulder. F. Stop Bar = one message per lane and one message per shoulder. G. Railroad crossing markings = seven messages per lane. 1. 'R' = one message each (two required). 2. 'X' = two messages. 3. Transverse Bar = one message each (two required). 4. Stop Bar = one message. H. Include all costs for the Manufacturer's Service Representative and other technical assistance in the contract unit price.			

<b>25</b>	<b>02772005*</b>	<b>Pedestrian Access Ramp Reconstruct</b>	<b>Each</b>
In place. Includes removal and replacement of curb and gutter, sidewalk, flatwork, wedge milling, detectable warning surface, and all other items necessary to provide a compliant pedestrian access ramp.			

<b>26</b>	<b>02786001*</b>	<b>Open Graded Surface Course</b>	<b>Ton</b>
<b>Measurement:</b> Include aggregates and all additives including tack coat and hydrated lime. Asphalt Binder measured and paid for separately.			

<b>27</b>	<b>02786002*</b>	<b>Asphalt Cement PG 64-34</b>	<b>Ton</b>
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# Summary Report

Project: NH-0091(26)17, SP-0239(3)0

Version: 1

## SR-91 From SR-23 to SR-101

Detail	Alt Group	Alt #	Description		
10 - ROADWAY	0	0	NH-0091(26)17		
Item Number	Description	Qty	Unit		
012850010	Mobilization	1	Lump		
01315001*	Public Information Services	1	Lump		
015540005	Traffic Control	1	Lump		
02721005*	Untreated Base Course 3/4 inch or 1 inch Max	250	Ton		
02741005*	HMA - 1/2 inch	2,500	Ton		
027680005	4 inch Pavement Marking Tape - White	27,500	ft		
027680010	8 inch Pavement Marking Tape - White	4,300	ft		
027680015	4 inch Pavement Marking Tape - Yellow	27,000	ft		
027680105	Pavement Message (Preformed Thermoplastic)	125	Each		
02771005*	Pedestrian Access Ramp Reconstruct	4	Each		
02786001*	Open Graded Surface Course	7,100	Ton		
02786002*	Asphalt Cement PG 64-34	425	Ton		
028420010	Delineator Type I	10	Each		
029610030	Rotomilling - 2 Inch	22,059	sq yd		

Detail	Alt Group	Alt #	Description		
10 - ROADWAY	0	0	SP-0239(3)0		
Item Number	Description	Qty	Unit		
012850010	Mobilization	1	Lump		
01315001*	Public Information Services	1	Lump		
015540005	Traffic Control	1	Lump		
018920020	Reconstruct Cleanout Box	6	Each		
018920040	Reconstruct Valve Box	38	Each		
018920050	Reconstruct Manhole	26	Each		
027680005	4 inch Pavement Marking Tape - White	2,850	ft		
027680010	8 inch Pavement Marking Tape - White	1,500	ft		
027680015	4 inch Pavement Marking Tape - Yellow	20,100	ft		
027680105	Pavement Message (Preformed Thermoplastic)	344	Each		
02771005*	Pedestrian Access Ramp	40	Each		
02786001*	Open Graded Surface Course	3,000	Ton		

# Summary Report

Project: NH-0091(26)17, SP-0239(3)0

Version: 1

SR-91 From SR-23 to SR-101

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Detail	Alt Group	Alt #	Description		
10 - ROADWAY	0	0	SP-0239(3)0		
Item Number	Description			Qty	Unit
02786002*	Asphalt Cement PG 64-34			180	Ton

Detail	Alt Group	Alt #	Description		
110 - CONTINGENCY	0	0	NH-0091(26)17		
Item Number	Description			Qty	Unit
00000277*	UDOT Contingency Fund			1	Lump

Detail	Alt Group	Alt #	Description		
110 - CONTINGENCY	0	0	SP-0239(3)0		
Item Number	Description			Qty	Unit
00000277*	UDOT Contingency Fund			1	Lump

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 SP-0239(3)0

Item Number	Description					Use Qty	Unit
<b>018920020</b>	<b>Reconstruct Cleanout Box</b>					6	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SR-239	0.00		0.26		1.0		
SR-239	0.26		0.52		1.0		
SR-239	0.52		0.78		2.0		
SR-239	0.78		1.00		2.0		
					6.0		
<b>018920040</b>	<b>Reconstruct Valve Box</b>					38	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SR-239	0.00		0.26		11.0		
SR-239	0.26		0.52		11.0		
SR-239	0.52		0.78		5.0		
SR-239	0.78		1.00		11.0		
					38.0		
<b>018920050</b>	<b>Reconstruct Manhole</b>					26	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SR-239	0.00		0.26		3.0		
SR-239	0.26		0.52		11.0		
SR-239	0.52		0.78		6.0		
SR-239	0.78		1.00		6.0		
					26.0		

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description		Use Qty	Unit		
02721005*	Untreated Base Course 3/4 inch or 1 inch Max		209	Ton		
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	17.24		17.30		5.584	
SR-91	17.30		17.40		9.306	
SR-91	17.40		17.50		9.306	
SR-91	17.50		17.60		9.306	
SR-91	17.60		17.70		9.306	
SR-91	17.70		17.80		9.306	
SR-91	17.80		17.90		9.306	
SR-91	17.90		18.00		9.306	
SR-91	18.00		18.10		9.306	
SR-91	18.10		18.20		9.306	
SR-91	18.20		18.30		9.306	
SR-91	18.30		18.40		9.306	
SR-91	18.40		18.50		9.306	
SR-91	18.50		18.60		9.306	
SR-91	18.60		18.70		9.306	
SR-91	18.70		18.80		9.306	
SR-91	18.80		18.90		9.306	
SR-91	18.90		19.00		9.306	
SR-91	19.00		19.10		9.306	
SR-91	19.10		19.20		9.306	
SR-91	19.20		19.30		9.306	
SR-91	19.30		19.40		9.306	
SR-91	19.40		19.48		8.184	
					209.194	

Note # Note

- 1 To be used as shouldering. Assume a 1 inch depth at edge of OGSC tapering down to 0 inches, 3 feet wide both sides of roadway and 141 lbs/ft3

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description				Use Qty	Unit
<b>02741005*</b>	<b>HMA - 1/2 inch</b>				2,500	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	19.01		19.11		528.0	
SR-91	19.11		19.48		1,953.6	
					<u>2,481.6</u>	

Note # Note

- 1 Taper the rotomilling at the Rail Road crossing to be 1 inch below finished grade to compensate for the OGSC thickness
- 2 Assume 80 ft width and 150 lbs/ft3
- 3 Adjacent to the Rail Road Crossing Attenuators taper the Hot Mix Asphalt to allow the Plant Mix Seal Coat to match the elevation of the existing pavement surface under the attenuators

**027680005**      **4 inch Pavement Marking Tape - White**      27,500    ft

Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	17.14		17.20		316.8	
SR-91	17.14		19.12		2,613.6	
SR-91	17.22		17.43		1,108.8	
SR-91	17.33		17.27		316.8	
SR-91	17.44		18.32		4,646.4	
SR-91	17.55		17.34		1,108.8	
SR-91	17.89		17.58		1,636.8	
SR-91	18.33		19.12		4,171.2	
SR-91	18.45		17.90		2,904.0	
SR-91	18.95		18.48		2,481.6	
SR-91	19.15		19.25		132.0	
SR-91	19.15		19.25		528.0	
SR-91	19.28		17.27		2,653.2	
SR-91	19.28		18.96		1,689.6	
SR-91	19.41		19.30		145.2	
SR-91	19.41		19.30		580.8	
					<u>27,033.6</u>	

Note # Note

- 1 Reference and Replace all existing traffic striping and pavement markings

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 SP-0239(3)0

Item Number	Description		Use Qty	Unit
027680005	4 inch Pavement Marking Tape - White		2,850	ft
Line/Sheet	From Station	From Offset To Station To Offset	Qty	Comment
SR-239	0.00	0.26	696.96	
SR-239	0.26	0.52	678.48	
SR-239	0.52	0.78	686.4	
SR-239	0.78	1.00	699.6	
			2,761.44	

Note # Note

1 Reference and replace all existing traffic striping and pavement messages.

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

**Version: 1**

**10 - ROADWAY**

**Alt Group: 0 Alt #: 0 NH-0091(26)17**

Item Number	Description		Use Qty	Unit
<b>027680010</b>	<b>8 inch Pavement Marking Tape - White</b>		<b>4,300</b>	<b>ft</b>
Line/Sheet	From Station	From Offset To Station To Offset	Qty	Comment
SR-91	17.16	17.20	211.2	
SR-91	17.33	17.43	528.0	
SR-91	17.38	17.34	211.2	
SR-91	17.38	17.43	264.0	
SR-91	17.44	17.34	528.0	
SR-91	17.62	17.58	211.2	
SR-91	17.64	17.58	316.8	
SR-91	18.27	18.32	264.0	
SR-91	18.27	18.32	264.0	
SR-91	18.52	18.48	211.2	
SR-91	18.54	18.48	316.8	
SR-91	19.06	19.12	316.8	
SR-91	19.08	19.12	211.2	
SR-91	19.33	19.30	158.4	
SR-91	19.33	19.30	158.4	
			<b>4,171.2</b>	

**Note # Note**

**1 Reference and Replace all existing traffic striping and pavement markings**



**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

**Version: 1**

**10 - ROADWAY**

**Alt Group: 0   Alt #: 0   SP-0239(3)0**

Item Number	Description		Use Qty	Unit
027680010	8 inch Pavement Marking Tape - White		1,500	ft
Line/Sheet	From Station	From Offset   To Station   To Offset	Qty	Comment
SR-239	0.00	0.26	300.0	
SR-239	0.26	0.52	300.0	
SR-239	0.52	0.78	300.0	
SR-239	0.78	1.00	500.0	
			1,400.0	

**Note #   Note**

1   Reference and replace all existing traffic striping and pavement messages.

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description		Use Qty	Unit
027680015	4 inch Pavement Marking Tape - Yellow		27,000	ft
Line/Sheet	From Station	From Offset To Station To Offset	Qty	Comment
SR-91	17.22	17.28	633.6	
SR-91	17.28	17.36	528.0	
SR-91	17.33	17.27	396.0	
SR-91	17.44	17.50	633.6	
SR-91	17.50	17.41	594.0	
SR-91	17.50	18.23	4,818.0	
SR-91	17.57	17.50	739.2	
SR-91	18.33	18.39	633.6	
SR-91	18.38	17.64	4,884.0	
SR-91	18.39	19.04	4,290.0	
SR-91	18.46	18.38	844.8	
SR-91	19.15	19.25	1,056.0	
SR-91	19.19	18.55	4,224.0	
SR-91	19.28	19.19	950.4	
SR-91	19.41	19.36	528.0	
			25,753.2	

Note # Note

1 Reference and Replace all existing traffic striping and pavement markings

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

**Version: 1**

**10 - ROADWAY**

**Alt Group: 0   Alt #: 0   SP-0239(3)0**

Item Number	Description		Use Qty	Unit
<b>027680015</b>	<b>4 inch Pavement Marking Tape - Yellow</b>		20,100	ft
Line/Sheet	From Station	From Offset   To Station   To Offset	Qty	Comment
SR-239	0.00	0.26	696.96	
SR-239	0.00	0.26	3,087.84	
SR-239	0.26	0.52	3,013.92	
SR-239	0.26	0.52	1,375.44	
SR-239	0.52	0.78	2,061.84	
SR-239	0.52	0.78	3,045.6	
SR-239	0.78	1.00	3,098.4	
SR-239	0.78	1.00	2,761.44	
			19,141.44	

**Note #   Note**

- 1   Reference and replace all existing traffic striping and pavement messages.

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description				Use Qty	Unit
027680105	Pavement Message (Preformed Thermoplastic)				125	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	19.18				16.0	Rail Road Crossing
SR-91	19.18				12.0	Arrow
SR-91	19.18				18.0	Stop Bar
SR-91	19.18				56.0	Cross Walk
SR-91	19.18				22.0	Message
					124.0	

Note # Note

- 1 All messages are in the intersection of SR-91 and SR-101
- 2 Reference and Replace all existing traffic striping and pavement markings

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0    Alt #: 0    SP-0239(3)0

Item Number	Description				Use Qty	Unit
027680105	Pavement Message (Preformed Thermoplastic)				344	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-239	0.00				64.0	Main Cross Walks and Stop Bars
SR-239	0.26				70.0	200 East Cross Walks and Stop Bars
SR-239	0.52				70.0	400 East Cross Walks and Stop Bars
SR-239	0.78				70.0	600 East Cross Walks and Stop Bars
SR-239	1.00				70.0	800 East Cross Walks and Stop Bars
					344.0	

Note #    Note

- 1    Reference and replace all existing traffic striping and pavement messages.

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

**Version: 1**

**10 - ROADWAY**

**Alt Group: 0   Alt #: 0   NH-0091(26)17**

Item Number	Description				Use Qty	Unit
02771005*	Pedestrian Access Ramp Reconstruct				4	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	19.18				4.0	One on each corner of the SR-91 & SR-101 intersection
					<hr/>	
					4.0	
Note #	Note					
1	Includes all work pertaining to the ramp(s) - Curb and gutter, sidewalk, flatwork, pavement grinding, detectable warning surface, etc.					

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 SP-0239(3)0

Item Number	Description				Use Qty	Unit
02771005*	Pedestrian Access Ramp				40	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-239	0.00				4.0	Main Street - 4 rampss
SR-239	0.00		0.26		4.0	Mid block ramps between Main St. and 200 E
SR-239	0.26				6.0	200 East - 6 ramps
SR-239	0.26		0.52		8.0	Mid block ramps between 200 E and 400 E
SR-239	0.52				4.0	400 East - 4 ramps
SR-239	0.52		0.78		4.0	Mid block ramps between 400 E and 600 E
SR-239	0.78				4.0	600 East - 4 ramps
SR-239	0.78		1.00		2.0	Mid block ramps between 600 E and 800 E
SR-239	1.00				4.0	800 East - 4 ramps
					40.0	

Note # Note

- 1 Includes all work pertaining to the ramp(s) - Curb and gutter, sidewalk, flatwork, pavement grinding, detectable warning surface, etc

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description				Use Qty	Unit
02786001*	Open Graded Surface Course				7,100	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	16.94		17.04		272.8	
SR-91	17.04		17.14		272.8	
SR-91	17.14		17.24		272.8	
SR-91	17.24		17.34		272.8	
SR-91	17.34		17.44		272.8	
SR-91	17.44		17.54		272.8	
SR-91	17.54		17.64		272.8	
SR-91	17.64		17.74		272.8	
SR-91	17.74		17.84		272.8	
SR-91	17.84		17.94		272.8	
SR-91	17.94		18.04		272.8	
SR-91	18.04		18.14		272.8	
SR-91	18.14		18.24		272.8	
SR-91	18.24		18.34		272.8	
SR-91	18.34		18.44		272.8	
SR-91	18.44		18.54		272.8	
SR-91	18.54		18.64		272.8	
SR-91	18.64		18.74		272.8	
SR-91	18.74		18.84		272.8	
SR-91	18.84		18.94		272.8	
SR-91	18.94		19.01		190.96	
SR-91	19.01		19.11		272.8	
SR-91	19.11		19.48		1,009.36	
					6,929.12	

Note # Note

- 1 Taper the OGSC thickness onto the sidestreets and accesses
- 2 Assume 80 ft width and 155 lbs/ft3
- 3 Adjacent to the Rail Road Crossing Attenuators taper the Hot Mix Asphalt to allow the Plant Mix Seal Coat to match the elevation of the existing pavement surface under the attenuators



**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 SP-0239(3)0

Item Number	Description					Use Qty	Unit
02786001*	Open Graded Surface Course					3,000	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SR-239	0.00		0.10		272.8		
SR-239	0.10		0.20		272.8		
SR-239	0.20		0.30		272.8		
SR-239	0.30		0.40		272.8		
SR-239	0.40		0.50		272.8		
SR-239	0.50		0.60		272.8		
SR-239	0.60		0.70		272.8		
SR-239	0.70		0.80		272.8		
SR-239	0.80		0.90		272.8		
SR-239	0.90		1.00		272.8		
SR-239	1.00		1.05		136.4		
					2,864.4		

Note # Note

- 1 Taper the OGSC thickness onto the sidestreets and accesses
- 2 Assume 80 ft average width and 155 lbs/ft<sup>3</sup>

# Detailed Report

NH-0091(26)17, SP-0239(3)0

Version: 1

SR-91 From SR-23 to SR-101

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description				Use Qty	Unit
02786002*	Asphalt Cement PG 64-34				425	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	17.24		19.48		425.0	6% of OGSC tonage
					425.0	

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

**Version: 1**

**10 - ROADWAY**

**Alt Group: 0   Alt #: 0   SP-0239(3)0**

Item Number		Description				Use Qty	Unit
02786002*		Asphalt Cement PG 64-34				180	Ton
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
SR-239	0.00		01.00		180.0	6% of OGSC tonage	
					180.0		

**Detailed Report**  
**NH-0091(26)17, SP-0239(3)0**  
**SR-91 From SR-23 to SR-101**

Version: 1

10 - ROADWAY

Alt Group: 0 Alt #: 0 NH-0091(26)17

Item Number	Description				Use Qty	Unit
028420010	Delineator Type I				10	Each
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	16.94		19.48		10.0	
					<u>10.0</u>	
029610030	Rotomilling - 2 Inch				22,059	sq yd
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment
SR-91	19.01		19.11		4,693.333	
SR-91	19.11		19.48		17,365.333	
					<u>22,058.666</u>	

Note # Note

- 1 Rotomill beginning at the change in pavement section immediately NE of the bridge over the Little Bear River and end the rotomilling at the NE end of the project.
- 2 Taper the rotomilling at the Rail Road crossing to be 1 inch below finished grade to compensate for the OGSC thickness
- 3 Rotomill to within 2 feet around the attenuators as directed by the Engineer

July 12, 2006

**SPECIAL PROVISION**

**NH-0091(26)17**  
**with stacked Project SP-0239(3)0**

**SECTION 01892M**

**RECONSTRUCT CATCH BASIN, CLEANOUT, METER,  
VALVE, MANHOLE, AND MONUMENT BOXES**

**Add the following to paragraph A of 2.1 CONCRETE:**

1. Minimum 1450 psi within 12 hours and 2030 psi within 24 hours.
2. Maximum water cement ratio 0.4.
3. Minimum 740 lb/yd<sup>3</sup> of cement.
4. Add accelerators (excluding calcium chloride) or plasticizers as necessary to achieve quick set and strength.
5. Add a minimum of 23 lb/yd<sup>3</sup> of steel fiber to increase strength of mix. Poly-fibers may also be included in addition to steel if part of a standard mix design.
6. Steel fiber to be cold drawn with deformed ends 1.2in - 2.4in in length and .02in - .04in in diameter. Minimum steel tensile strength of 120,000 PSI (ASTM 820).

**Add the following to paragraph B of 3.1 RAISE BOXES:**

1. Correctly reference all boxes prior to surfacing.
3. Reconstruct top section of cleanout box and catch basin using #5 rebar to be tied to existing reinforcing steel with a minimum 6 in. overlap. The existing steel in the structure must be exposed to allow for the required overlap.
4. Schedule work during non-peak traffic hours.
5. Begin adjustment work only on the number of boxes that can be completed in a 24-hour period. (Includes concrete set to 1450 psi when raising boxes.)
7. Contractor shall be responsible for removal of any debris that enters the manhole or catch basin.
9. Consolidate concrete using a high frequency internal vibrator.
10. Remove traffic control devices as soon as possible after 1450 psi has been reached or at the direction of the engineer.
11. Use steel plates as needed to comply with traffic control limitations.